

		Distillate Fuel Oil			Alternative Energy Sources(b)						
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
Total United States											
311	Food	2,723	127	2,141	4	111	*	0	5	0	7
3112	Grain and Oilseed Milling	153	6	144	*	5	*	0	1	0	*
311221	Wet Corn Milling	32	1	31	0	0	0	0	1	0	0
31131	Sugar Manufacturing	148	24	116	0	23	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	210	Q	43	*	*	*	0	Q	0	*
3115	Dairy Products	235	6	229	3	Q	*	0	*	0	0
3116	Animal Slaughtering and Processing	789	76	618	*	67	0	0	Q	0	6
312	Beverage and Tobacco Products	204	20	104	Q	19	1	2	0	0	0
3121	Beverages	171	17	75	Q	16	0	0	0	0	0
3122	Tobacco	33	3	29	0	3	1	2	0	0	0
313	Textile Mills	43	Q	Q	0	Q	0	0	0	0	0
314	Textile Product Mills	36	5	31	*	2	*	Q	0	0	0
315	Apparel	7	Q	0	0	Q	0	0	0	0	0
316	Leather and Allied Products	10	0	Q	0	0	0	0	0	0	0
321	Wood Products	2,635	59	2,167	Q	0	5	0	14	0	9
321113	Sawmills	1,422	29	1,126	Q	0	5	0	8	0	7
3212	Veneer, Plywood, and Engineered Woods	234	2	194	0	0	0	0	Q	0	Q
3219	Other Wood Products	775	Q	718	Q	0	0	0	Q	0	Q
322	Paper	2,181	948	881	394	890	169	2	10	0	41
322110	Pulp Mills	648	381	44	381	381	0	0	0	0	1
322121	Paper Mills, except Newsprint	372	80	262	8	33	2	2	2	0	40
322122	Newsprint Mills	20	2	14	0	2	0	0	0	0	0
322130	Paperboard Mills	1,054	475	482	5	470	167	0	4	0	0
323	Printing and Related Support	Q	Q	3	0	Q	0	0	*	0	0
324	Petroleum and Coal Products	4,275	Q	2,760	Q	Q	Q	0	Q	0	28
324110	Petroleum Refineries	1,387	34	839	1	17	0	0	21	0	1
324199	Other Petroleum and Coal Products	30	0	23	0	0	0	0	0	0	0
325	Chemicals	1,616	277	1,211	10	165	Q	18	Q	0	2
325110	Petrochemicals	103	0	103	0	0	0	0	0	0	0
325120	Industrial Gases	6	0	6	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	15	*	12	0	*	0	0	0	0	0
325182	Carbon Black	1	0	*	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	178	13	94	3	10	Q	0	Q	0	0
325192	Cyclic Crudes and Intermediates	18	12	6	0	12	11	0	0	0	0
325193	Ethyl Alcohol	11	6	4	*	5	0	1	0	0	0
325199	Other Basic Organic Chemicals	387	90	272	*	88	*	0	*	0	2
325211	Plastics Materials and Resins	226	Q	Q	*	Q	Q	0	Q	0	0
325212	Synthetic Rubber	59	52	6	0	35	0	17	0	0	0
325222	Noncellulosic Organic Fibers	23	6	17	2	2	*	0	1	0	0
325311	Nitrogenous Fertilizers	24	0	23	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	129	0	129	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	198	11	179	3	7	0	0	0	0	*
325412	Pharmaceutical Preparation	175	10	160	3	6	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	11	1	10	0	1	0	0	0	0	0
326	Plastics and Rubber Products	540	Q	Q	Q	Q	*	0	0	0	0
327	Nonmetallic Mineral Products	5,150	151	4,141	Q	46	34	11	29	0	17
327211	Flat Glass	10	*	9	*	0	*	0	*	0	0
327212	Other Pressed and Blown Glass and Glassware	12	6	6	0	6	0	0	0	0	0
327213	Glass Containers	15	0	15	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	Q	Q	Q	Q	*	0	0	0	0	0
327310	Cements	596	61	409	0	0	34	11	Q	0	17
327410	Lime	224	21	190	0	0	0	0	12	0	0
327420	Gypsum	115	0	104	0	0	0	0	0	0	0
327993	Mineral Wool	5	*	4	0	0	0	0	0	0	*
331	Primary Metals	1,016	104	780	Q	89	2	0	Q	0	*
331111	Iron and Steel Mills	529	1	458	0	*	0	0	*	0	*
331112	Electrometallurgical Ferroalloy Products	17	*	9	0	0	0	0	*	0	0
3312	Steel Products from Purchased Steel	46	8	18	0	8	0	0	0	0	0
3313	Alumina and Aluminum	136	36	89	0	34	2	0	*	0	0
331314	Secondary Smelting and Alloying of Aluminum	37	0	32	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	58	34	22	0	34	*	0	*	0	0
331316	Aluminum Extruded Products	12	0	12	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	96	1	87	0	1	0	0	0	0	0
3315	Foundries	193	58	119	Q	45	0	0	Q	0	0
331511	Iron Foundries	100	1	84	*	*	0	0	Q	0	0
331521	Aluminum Die-Casting Foundries	45	45	*	0	45	0	0	*	0	0
331524	Aluminum Foundries, except Die-Casting	10	Q	3	Q	0	0	0	*	0	0
332	Fabricated Metal Products	410	Q	295	Q	Q	Q	0	Q	0	0
333	Machinery	274	18	184	12	Q	0	0	*	0	0
334	Computer and Electronic Products	155	Q	63	Q	9	0	0	0	0	*
334413	Semiconductors and Related Devices	19	10	5	*	9	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	Q	0	Q	0	0	0	0	0	0	0
336	Transportation Equipment	488	3	198	Q	2	*	0	*	0	*
336111	Automobiles	4	0	2	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	5	0	3	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	98	2	82	0	2	*	0	*	0	*
336411	Aircraft	22	*	21	0	*	*	0	*	0	*
337	Furniture and Related Products	Q	Q	Q	Q	Q	Q	0	Q	0	*

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2006;
Level: National Data and Regional Totals;
Row: NAICS Codes, Value of Shipments and Employment Sizes
Column: Energy Sources;
Unit: Thousand Barrels.**

		Distillate Fuel Oil			Alternative Energy Sources(b)							
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	
339	Miscellaneous	28	Q	9	0	0	0	0	Q	0	0	
	Total	22,139	2,888	15,529	701	2,160	367	36	Q	0	105	
Northeast Census Region												
311	Food	432	38	306	*	38	*	0	*	0	*	
3112	Grain and Oilseed Milling	2	*	2	0	0	*	0	0	0	0	
311221	Wet Corn Milling	1	0	1	0	0	0	0	0	0	0	
31131	Sugar Manufacturing	23	23	*	0	23	0	0	0	0	0	
3114	Fruit and Vegetable Preserving and Specialty Foods	Q	*	*	*	*	0	0	*	0	*	
3115	Dairy Products	160	*	160	0	*	0	0	0	0	0	
3116	Animal Slaughtering and Processing	Q	Q	Q	0	Q	0	0	0	0	0	
312	Beverage and Tobacco Products	85	15	21	0	15	0	0	0	0	0	
3121	Beverages	85	15	21	0	15	0	0	0	0	0	
3122	Tobacco	*	*	*	0	*	0	0	0	0	0	
313	Textile Mills	Q	0	0	0	0	0	0	0	0	0	
314	Textile Product Mills	16	Q	13	0	0	*	Q	0	0	0	
315	Apparel	*	0	0	0	0	0	0	0	0	0	
316	Leather and Allied Products	10	0	Q	0	0	0	0	0	0	0	
321	Wood Products	210	13	124	Q	0	0	0	0	0	4	
321113	Sawmills	148	12	77	Q	0	0	0	0	0	3	
3212	Veneer, Plywood, and Engineered Woods	Q	0	Q	0	0	0	0	0	0	0	
3219	Other Wood Products	41	Q	27	0	0	0	0	0	0	Q	
322	Paper	194	80	107	8	27	2	2	Q	0	40	
322110	Pulp Mills	3	0	3	0	0	0	0	0	0	0	
322121	Paper Mills, except Newsprint	112	56	50	8	9	2	2	2	0	40	
322122	Newsprint Mills	3	0	3	0	0	0	0	0	0	0	
322130	Paperboard Mills	32	19	12	0	19	0	0	0	0	0	
323	Printing and Related Support	Q	Q	Q	0	Q	0	0	*	0	0	
324	Petroleum and Coal Products	1,187	76	1,046	0	71	Q	0	Q	0	0	
324110	Petroleum Refineries	208	17	128	0	17	0	0	6	0	0	
324199	Other Petroleum and Coal Products	3	0	1	0	0	0	0	0	0	0	
325	Chemicals	418	Q	296	0	15	Q	0	Q	0	0	
325110	Petrochemicals	7	0	7	0	0	0	0	0	0	0	
325120	Industrial Gases	0	0	0	0	0	0	0	0	0	0	
325181	Alkalies and Chlorine	1	0	1	0	0	0	0	0	0	0	
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0	
325188	Other Basic Inorganic Chemicals	37	5	10	0	5	0	0	0	0	0	
325192	Cyclic Crudes and Intermediates	*	0	*	0	0	0	0	0	0	0	
325193	Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0	
325199	Other Basic Organic Chemicals	40	3	36	0	3	*	0	0	0	0	
325211	Plastics Materials and Resins	Q	Q	Q	0	Q	Q	0	Q	0	0	
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0	
325222	Noncellulosic Organic Fibers	5	1	4	0	0	0	0	1	0	0	
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0	
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0	
3254	Pharmaceuticals and Medicines	120	5	116	0	4	0	0	0	0	0	
325412	Pharmaceutical Preparation	101	3	98	0	3	0	0	0	0	0	
325992	Photographic Film, Paper, Plate, and Chemicals	9	0	9	0	0	0	0	0	0	0	
326	Plastics and Rubber Products	Q	Q	Q	Q	Q	0	0	0	0	0	
327	Nonmetallic Mineral Products	763	20	507	Q	*	6	0	12	0	3	
327211	Flat Glass	5	0	5	0	0	0	0	0	0	0	
327212	Other Pressed and Blown Glass and Glassware	3	0	3	0	0	0	0	0	0	0	
327213	Glass Containers	1	0	1	0	0	0	0	0	0	0	
327215	Glass Products from Purchased Glass	Q	Q	Q	Q	*	0	0	0	0	0	
327310	Cements	50	6	38	0	0	6	0	0	0	3	
327410	Lime	49	12	37	0	0	0	0	12	0	0	
327420	Gypsum	8	0	8	0	0	0	0	0	0	0	
327993	Mineral Wool	1	0	1	0	0	0	0	0	0	0	
331	Primary Metals	185	50	125	Q	44	0	0	Q	0	0	
331111	Iron and Steel Mills	77	0	75	0	0	0	0	0	0	0	
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0	
3312	Steel Products from Purchased Steel	9	8	1	0	8	0	0	0	0	0	
3313	Alumina and Aluminum	52	34	17	0	34	0	0	0	0	0	
331314	Secondary Smelting and Alloying of Aluminum	2	0	1	0	0	0	0	0	0	0	
331315	Aluminum Sheet, Plate and Foils	38	34	4	0	34	0	0	0	0	0	
331316	Aluminum Extruded Products	4	0	4	0	0	0	0	0	0	0	
3314	Nonferrous Metals, except Aluminum	25	1	19	0	1	0	0	0	0	0	
3315	Foundries	22	Q	13	Q	*	0	0	Q	0	0	
331511	Iron Foundries	9	0	7	0	0	0	0	0	0	0	
331521	Aluminum Die-Casting Foundries	*	*	*	0	*	0	0	*	0	0	
331524	Aluminum Foundries, except Die-Casting	3	Q	Q	Q	0	0	0	0	0	0	
332	Fabricated Metal Products	Q	Q	34	Q	Q	Q	0	0	0	0	
333	Machinery	Q	0	Q	0	0	0	0	0	0	0	
334	Computer and Electronic Products	66	10	Q	*	9	0	0	0	0	0	
334413	Semiconductors and Related Devices	17	9	4	0	9	0	0	0	0	0	
335	Electrical Equip., Appliances, and Components	Q	0	Q	0	0	0	0	0	0	0	
336	Transportation Equipment	53	2	42	0	2	*	0	0	0	0	
336111	Automobiles	0	0	0	0	0	0	0	0	0	0	
336112	Light Trucks and Utility Vehicles	*	0	0	0	0	0	0	0	0	0	

		Distillate Fuel Oil			Alternative Energy Sources(b)						
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3364	Aerospace Product and Parts	9	2	7	0	2	*	0	0	0	0
336411	Aircraft	*	*	*	0	0	*	0	0	0	0
337	Furniture and Related Products	*	0	*	0	0	0	0	0	0	0
339	Miscellaneous	Q	Q	Q	0	0	0	0	Q	0	0
	Total	4,065	617	2,748	22	429	115	4	135	0	47
Midwest Census Region											
311	Food	382	23	327	3	13	*	0	*	0	7
3112	Grain and Oilseed Milling	135	5	128	*	5	0	0	0	0	*
311221	Wet Corn Milling	30	0	30	0	0	0	0	0	0	0
31131	Sugar Manufacturing	21	*	20	0	0	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	Q	*	Q	0	*	0	0	0	0	*
3115	Dairy Products	26	5	Q	3	Q	*	0	*	0	0
3116	Animal Slaughtering and Processing	121	6	86	0	*	0	0	*	0	6
312	Beverage and Tobacco Products	48	*	23	*	*	0	0	0	0	0
3121	Beverages	48	*	23	*	*	0	0	0	0	0
3122	Tobacco	*	0	*	0	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0	0	0	0
321	Wood Products	762	Q	688	Q	0	5	0	5	0	0
321113	Sawmills	132	5	91	0	0	5	0	5	0	0
3212	Veneer, Plywood, and Engineered Woods	28	0	18	0	0	0	0	0	0	0
3219	Other Wood Products	Q	Q	Q	Q	0	0	0	0	0	0
322	Paper	132	1	128	0	1	0	0	0	0	0
322110	Pulp Mills	4	0	4	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	41	0	41	0	0	0	0	0	0	0
322122	Newsprint Mills	*	0	*	0	0	0	0	0	0	0
322130	Paperboard Mills	85	0	82	0	0	0	0	0	0	0
323	Printing and Related Support	2	0	Q	0	0	0	0	0	0	0
324	Petroleum and Coal Products	256	41	166	*	Q	Q	0	0	0	27
324110	Petroleum Refineries	111	*	64	*	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	8	0	6	0	0	0	0	0	0	0
325	Chemicals	103	32	63	Q	11	11	18	Q	0	0
325110	Petrochemicals	2	0	2	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	*	0	*	0	0	0	0	0	0	0
325182	Carbon Black	*	0	*	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	5	*	2	0	0	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	12	11	1	0	11	11	0	0	0	0
325193	Ethyl Alcohol	6	1	4	*	0	0	1	0	0	0
325199	Other Basic Organic Chemicals	12	0	11	0	0	0	0	0	0	0
325211	Plastics Materials and Resins	8	0	6	0	0	0	0	0	0	0
325212	Synthetic Rubber	17	17	0	0	0	0	17	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	0	*	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	3	*	2	*	*	0	0	0	0	0
325412	Pharmaceutical Preparation	1	*	1	0	*	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	*	0	*	0	0	0	0	0
326	Plastics and Rubber Products	Q	*	Q	0	*	0	0	0	0	0
327	Nonmetallic Mineral Products	Q	*	Q	0	0	0	0	*	0	*
327211	Flat Glass	1	*	1	0	0	0	0	*	0	0
327212	Other Pressed and Blown Glass and Glassware	3	0	2	0	0	0	0	0	0	0
327213	Glass Containers	4	0	4	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	1	0	1	0	0	0	0	0	0	0
327310	Cements	103	0	80	0	0	0	0	0	0	0
327410	Lime	49	0	47	0	0	0	0	0	0	0
327420	Gypsum	29	0	29	0	0	0	0	0	0	0
327993	Mineral Wool	2	*	2	0	0	0	0	0	0	*
331	Primary Metals	435	Q	366	*	*	*	0	1	0	*
331111	Iron and Steel Mills	290	*	242	0	*	0	0	*	0	*
331112	Electrometallurgical Ferroalloy Products	11	0	3	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	5	0	5	0	0	0	0	0	0	0
3313	Alumina and Aluminum	26	*	22	0	*	*	0	*	0	0
331314	Secondary Smelting and Alloying of Aluminum	16	0	12	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	8	*	8	0	*	*	0	*	0	0
331316	Aluminum Extruded Products	3	0	3	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	39	0	38	0	0	0	0	0	0	0
3315	Foundries	64	Q	55	*	*	0	0	Q	0	0
331511	Iron Foundries	51	Q	48	*	*	0	0	Q	0	0
331521	Aluminum Die-Casting Foundries	*	*	*	0	*	0	0	*	0	0
331524	Aluminum Foundries, except Die-Casting	Q	Q	1	*	0	0	0	*	0	0
332	Fabricated Metal Products	67	0	51	0	0	0	0	0	0	0
333	Machinery	164	17	125	12	Q	0	0	0	0	0
334	Computer and Electronic Products	Q	Q	Q	Q	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	Q	0	*	0	0	0	0	0	0	0

		Distillate Fuel Oil			Alternative Energy Sources(b)							
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	
336	Transportation Equipment	101	Q	68	Q	0	0	0	0	0	0	0
336111	Automobiles	2	0	1	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	4	0	3	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	2	0	2	0	0	0	0	0	0	0	0
336411	Aircraft	1	0	1	0	0	0	0	0	0	0	0
337	Furniture and Related Products	Q	Q	Q	Q	Q	Q	0	Q	0	0	*
339	Miscellaneous	*	0	*	0	0	0	0	0	0	0	0
	Total	4,387	234	3,749	Q	Q	Q	18	Q	0	0	34
South Census Region												
311	Food	705	65	476	*	60	0	0	Q	0	0	*
3112	Grain and Oilseed Milling	15	1	13	0	0	0	0	1	0	0	0
311221	Wet Corn Milling	1	1	0	0	0	0	0	1	0	0	0
31131	Sugar Manufacturing	97	0	89	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	Q	Q	19	0	0	0	0	Q	0	0	0
3115	Dairy Products	1	*	*	0	*	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	342	58	251	*	Q	0	0	Q	0	0	0
312	Beverage and Tobacco Products	40	3	32	0	3	1	2	0	0	0	0
3121	Beverages	8	*	3	0	*	0	0	0	0	0	0
3122	Tobacco	33	3	29	0	3	1	2	0	0	0	0
313	Textile Mills	34	Q	Q	0	Q	0	0	0	0	0	0
314	Textile Product Mills	Q	3	Q	*	2	0	0	0	0	0	0
315	Apparel	7	Q	0	0	Q	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0	0	0	0	0
321	Wood Products	824	13	582	Q	0	0	0	Q	0	0	2
321113	Sawmills	386	7	254	Q	0	0	0	0	0	0	2
3212	Veneer, Plywood, and Engineered Woods	160	Q	141	0	0	0	0	Q	0	0	0
3219	Other Wood Products	100	Q	82	0	0	0	0	Q	0	0	0
322	Paper	1,406	561	582	381	561	17	0	4	0	1	1
322110	Pulp Mills	637	381	34	381	381	0	0	0	0	0	1
322121	Paper Mills, except Newsprint	209	24	166	0	24	0	0	0	0	0	0
322122	Newsprint Mills	4	2	0	0	2	0	0	0	0	0	0
322130	Paperboard Mills	515	150	344	0	150	17	0	4	0	0	0
323	Printing and Related Support	2	*	Q	0	*	0	0	0	0	0	0
324	Petroleum and Coal Products	1,454	Q	885	Q	1	0	0	Q	0	1	1
324110	Petroleum Refineries	292	16	149	*	0	0	0	15	0	0	1
324199	Other Petroleum and Coal Products	18	0	16	0	0	0	0	0	0	0	0
325	Chemicals	1,047	147	806	8	138	Q	0	Q	0	2	2
325110	Petrochemicals	93	0	93	0	0	0	0	0	0	0	0
325120	Industrial Gases	6	0	6	0	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	12	*	9	0	*	0	0	0	0	0	0
325182	Carbon Black	1	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	107	7	54	2	5	Q	0	Q	0	0	0
325192	Cyclic Crudes and Intermediates	6	1	5	0	1	0	0	0	0	0	0
325193	Ethyl Alcohol	5	5	*	0	5	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	335	87	225	*	85	*	0	*	0	2	2
325211	Plastics Materials and Resins	55	*	46	*	*	0	0	0	0	0	0
325212	Synthetic Rubber	41	35	5	0	35	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	18	4	13	2	2	*	0	0	0	0	0
325311	Nitrogenous Fertilizers	21	0	20	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	119	0	119	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	Q	6	Q	3	3	0	0	0	0	0	*
325412	Pharmaceutical Preparation	Q	6	Q	3	3	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	1	*	0	1	0	0	0	0	0	0
326	Plastics and Rubber Products	Q	Q	Q	0	Q	*	0	0	0	0	0
327	Nonmetallic Mineral Products	1,475	92	998	0	44	26	11	Q	0	0	0
327211	Flat Glass	3	0	3	0	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	7	6	1	0	6	0	0	0	0	0	0
327213	Glass Containers	8	0	8	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	1	0	*	0	0	0	0	0	0	0	0
327310	Cements	272	39	187	0	0	26	11	Q	0	0	0
327410	Lime	72	9	63	0	0	0	0	0	0	0	0
327420	Gypsum	46	0	36	0	0	0	0	0	0	0	0
327993	Mineral Wool	1	0	1	0	0	0	0	0	0	0	0
331	Primary Metals	309	47	219	0	45	2	0	*	0	0	0
331111	Iron and Steel Mills	124	*	111	0	*	0	0	*	0	0	0
331112	Electrometallurgical Ferroalloy Products	6	0	6	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	30	0	10	0	0	0	0	0	0	0	0
3313	Alumina and Aluminum	47	2	40	0	0	2	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	17	0	17	0	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	11	0	10	0	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	3	0	2	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	8	*	6	0	*	0	0	0	0	0	0
3315	Foundries	94	45	46	0	45	0	0	*	0	0	0
331511	Iron Foundries	29	*	26	0	*	0	0	*	0	0	0
331521	Aluminum Die-Casting Foundries	45	45	*	0	45	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	1	0	1	0	0	0	0	0	0	0	0
332	Fabricated Metal Products	152	Q	102	Q	0	0	0	Q	0	0	0
333	Machinery	Q	*	Q	0	*	0	0	*	0	0	0

Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2006:

Level: National Data and Regional Totals:

Row: NAICS Codes, Value of Shipments and Employment Sizes

Column: Energy Sources:

Unit: Thousand Barrels.

		Distillate Fuel Oil			Alternative Energy Sources(b)							
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	
334	Computer and Electronic Products	Q	Q	1	Q	*	0	0	0	0	*	
334413	Semiconductors and Related Devices	1	*	1	*	*	0	0	0	0	*	
335	Electrical Equip., Appliances, and Components	18	0	9	0	0	0	0	0	0	0	
336	Transportation Equipment	163	*	46	0	*	0	0	0	0	0	
336111	Automobiles	1	0	*	0	0	0	0	0	0	0	
336112	Light Trucks and Utility Vehicles	1	0	*	0	0	0	0	0	0	0	
3364	Aerospace Product and Parts	51	*	37	0	*	0	0	0	0	0	
336411	Aircraft	15	0	15	0	0	0	0	0	0	0	
337	Furniture and Related Products	Q	*	Q	*	0	0	0	*	0	0	
339	Miscellaneous	Q	0	Q	0	0	0	0	0	0	0	
	Total	8,237	1,249	5,247	541	891	46	13	Q	0	6	
West Census Region												
311	Food	1,204	1	1,031	1	*	*	0	*	0	0	
3112	Grain and Oilseed Milling	1	0	1	0	0	0	0	0	0	0	
311221	Wet Corn Milling	*	0	*	0	0	0	0	0	0	0	
31131	Sugar Manufacturing	8	0	7	0	0	0	0	0	0	0	
3114	Fruit and Vegetable Preserving and Specialty Foods	41	*	3	*	*	*	0	*	0	0	
3115	Dairy Products	48	*	48	*	*	0	0	*	0	0	
3116	Animal Slaughtering and Processing	Q	0	Q	0	0	0	0	0	0	0	
312	Beverage and Tobacco Products	30	1	28	Q	1	0	0	0	0	0	
3121	Beverages	30	1	28	Q	1	0	0	0	0	0	
3122	Tobacco	0	0	0	0	0	0	0	0	0	0	
313	Textile Mills	0	0	0	0	0	0	0	0	0	0	
314	Textile Product Mills	0	0	0	0	0	0	0	0	0	0	
315	Apparel	0	0	0	0	0	0	0	0	0	0	
316	Leather and Allied Products	*	0	0	0	0	0	0	0	0	0	
321	Wood Products	839	6	774	*	0	0	0	3	0	3	
321113	Sawmills	755	5	704	*	0	0	0	3	0	2	
3212	Veneer, Plywood, and Engineered Woods	25	Q	15	0	0	0	0	0	0	Q	
3219	Other Wood Products	47	0	44	0	0	0	0	0	0	0	
322	Paper	449	306	64	5	301	150	0	0	0	0	
322110	Pulp Mills	4	0	4	0	0	0	0	0	0	0	
322121	Paper Mills, except Newsprint	11	0	5	0	0	0	0	0	0	0	
322122	Newsprint Mills	12	0	11	0	0	0	0	0	0	0	
322130	Paperboard Mills	423	306	43	5	301	150	0	0	0	0	
323	Printing and Related Support	0	0	0	0	0	0	0	0	0	0	
324	Petroleum and Coal Products	1,378	Q	664	0	Q	0	0	Q	0	0	
324110	Petroleum Refineries	775	*	498	0	*	0	0	0	0	0	
324199	Other Petroleum and Coal Products	1	0	1	0	0	0	0	0	0	0	
325	Chemicals	48	1	46	1	1	0	0	0	0	0	
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0	
325120	Industrial Gases	0	0	0	0	0	0	0	0	0	0	
325181	Alkalies and Chlorine	2	0	2	0	0	0	0	0	0	0	
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0	
325188	Other Basic Inorganic Chemicals	29	1	28	1	0	0	0	0	0	0	
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0	0	0	
325193	Ethyl Alcohol	*	0	*	0	0	0	0	0	0	0	
325199	Other Basic Organic Chemicals	*	0	0	0	0	0	0	0	0	0	
325211	Plastics Materials and Resins	*	0	*	0	0	0	0	0	0	0	
325212	Synthetic Rubber	0	0	0	0	0	0	0	0	0	0	
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0	
325311	Nitrogenous Fertilizers	3	0	3	0	0	0	0	0	0	0	
325312	Phosphatic Fertilizers	9	0	9	0	0	0	0	0	0	0	
3254	Pharmaceuticals and Medicines	1	0	1	0	0	0	0	0	0	0	
325412	Pharmaceutical Preparation	1	0	1	0	0	0	0	0	0	0	
325992	Photographic Film, Paper, Plate, and Chemicals	1	1	1	0	1	0	0	0	0	0	
326	Plastics and Rubber Products	*	0	0	0	0	0	0	0	0	0	
327	Nonmetallic Mineral Products	Q	38	Q	Q	Q	2	0	Q	0	14	
327211	Flat Glass	1	*	1	*	0	*	0	0	0	0	
327212	Other Pressed and Blown Glass and Glassware	*	0	*	0	0	0	0	0	0	0	
327213	Glass Containers	3	0	3	0	0	0	0	0	0	0	
327215	Glass Products from Purchased Glass	*	*	*	*	0	0	0	0	0	0	
327310	Cements	171	16	104	0	0	2	0	0	0	14	
327410	Lime	54	0	43	0	0	0	0	0	0	0	
327420	Gypsum	31	0	31	0	0	0	0	0	0	0	
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0	
331	Primary Metals	87	1	70	0	*	0	0	1	0	0	
331111	Iron and Steel Mills	37	*	30	0	*	0	0	0	0	0	
331112	Electrometallurgical Ferroalloy Products	*	*	0	0	0	0	0	*	0	0	
3312	Steel Products from Purchased Steel	2	0	2	0	0	0	0	0	0	0	
3313	Alumina and Aluminum	10	0	10	0	0	0	0	0	0	0	
331314	Secondary Smelting and Alloying of Aluminum	3	0	3	0	0	0	0	0	0	0	
331315	Aluminum Sheet, Plate and Foils	1	0	1	0	0	0	0	0	0	0	
331316	Aluminum Extruded Products	2	0	2	0	0	0	0	0	0	0	
3314	Nonferrous Metals, except Aluminum	24	0	24	0	0	0	0	0	0	0	
3315	Foundries	13	1	5	0	0	0	0	1	0	0	
331511	Iron Foundries	11	0	3	0	0	0	0	0	0	0	
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0	

Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2006;**Level: National Data and Regional Totals****Row: NAICS Codes, Value of Shipments and Employment Sizes****Column: Energy Sources;****Unit: Thousand Barrels.**

NAICS Code(a)	Subsector and Industry	Distillate Fuel Oil		Alternative Energy Sources(b)							
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
331524	Aluminum Foundries, except Die-Casting	*	0	*	0	0	0	0	0	0	0
332	Fabricated Metal Products	Q	0	Q	0	0	0	0	0	0	0
333	Machinery	*	0	*	0	0	0	0	0	0	0
334	Computer and Electronic Products	1	*	1	*	*	0	0	0	0	0
334413	Semiconductors and Related Devices	1	*	1	*	*	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	0	0	0	0
336	Transportation Equipment	Q	*	42	0	*	0	0	*	0	*
336111	Automobiles	1	0	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	36	*	35	0	*	0	0	*	0	*
336411	Aircraft	6	*	5	0	*	0	0	*	0	*
337	Furniture and Related Products	0	0	0	0	0	0	0	0	0	0
339	Miscellaneous	Q	0	Q	0	0	0	0	0	0	0
	Total	5,450	Q	3,785	14	Q	152	0	Q	0	17

Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2006:

Level: National Data and Regional Totals

Row: NAICS Codes, Value of Shipments and Employment Sizes

Column: Energy Sources;

Unit: Thousand Barrels.

		Distillate Fuel Oil			Alternative Energy Sources(b)						
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
Economic Characteristic (f)											
Value of Shipments and Receipts (million dollars)											
	Under 20	7,689	964	5,634	Q	Q	Q	0	Q	0	4
	20-49	3,211	Q	2,407	Q	Q	19	0	31	0	8
	50-99	2,863	331	2,118	Q	160	Q	12	Q	0	28
	100-249	3,310	562	1,983	213	451	32	4	13	0	55
	250-499	2,159	653	1,005	193	644	161	0	Q	0	2
	500 and Over	2,908	149	2,381	25	79	2	20	21	0	8
	Total	22,139	2,888	15,529	701	2,160	367	36	Q	0	105
Employment Size											
	Under 50	7,771	916	5,459	Q	Q	Q	0	Q	0	0
	50-99	2,492	168	1,938	11	127	33	1	10	0	17
	100-249	4,665	660	3,412	191	458	116	11	112	0	39
	250-499	3,336	742	1,971	233	640	156	17	8	0	41
	500-999	1,913	221	1,406	Q	174	2	6	26	0	2
	1000 and Over	1,961	182	1,343	13	159	1	*	*	0	6
	Total	22,139	2,888	15,529	701	2,160	367	36	Q	0	105

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).

(b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for distillate fuel oil during 2006. The quantities are expressed in thousands of barrels, and therefore represent the quantity of distillate fuel oil that could have been displaced by the given alternative type of energy.

(c) 'Total Consumed' represents those quantities (Total Inputs) of distillate fuel oil that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(d) 'Electricity Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(e) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of distillate fuel oil.

(f) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments

Q=Withheld because Relative Standard Error is greater than 50 percent

NA=Not available.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and the Bureau of the Census data files for the '2006 Annual Survey of Manufacturers.'